

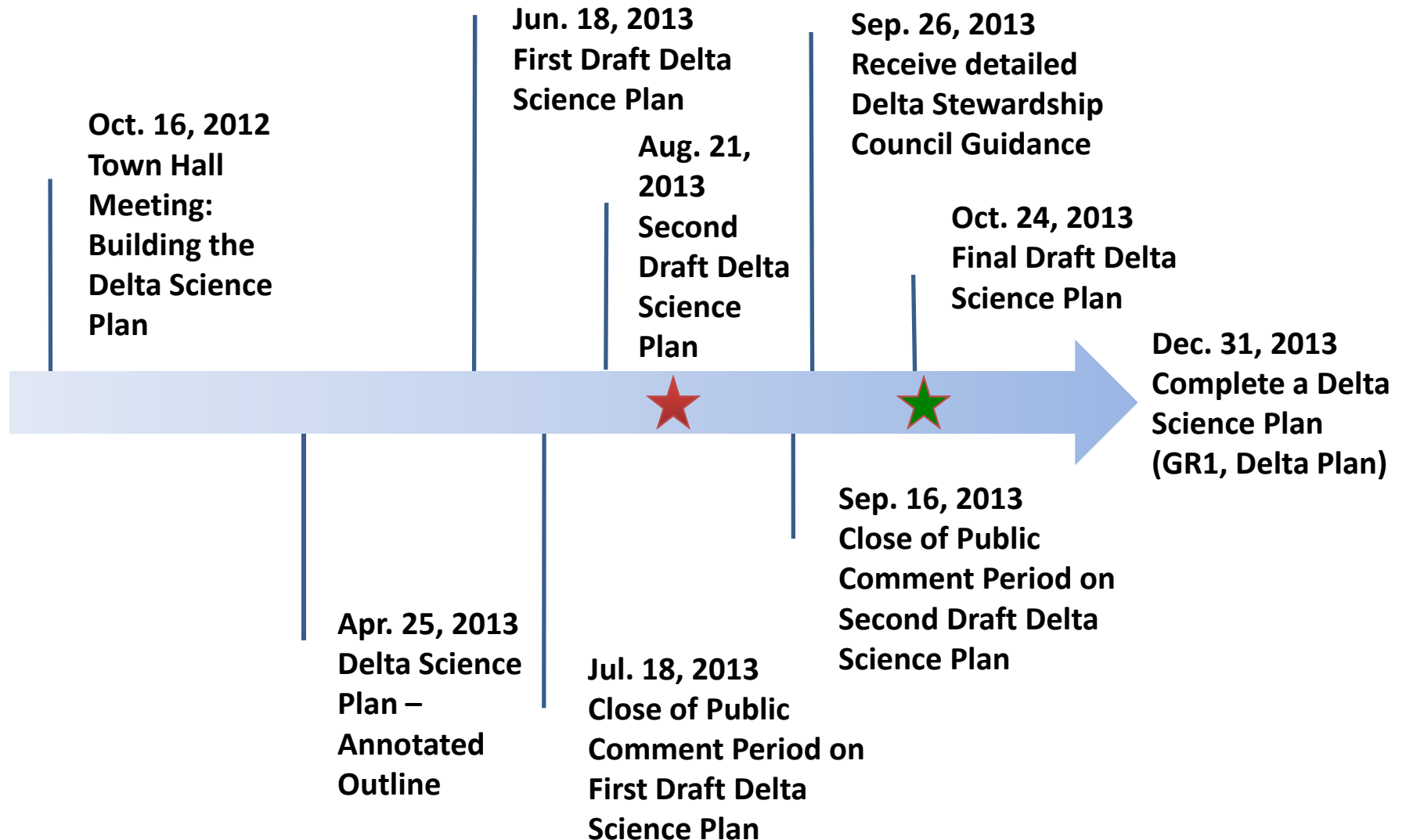
# Delta Science Plan

## *One Delta, One Science*

### Delta Stewardship Council

August 22, 2013

# Delta Science Plan Milestones



# Delta Science Plan

## **Problem Statement**

The current organization and communication of Delta science are inadequate for providing the timely, relevant decision support needed for policy and management actions for achieving the coequal goals.

## **Paradigm Shift**

Town Hall Meeting: October 2012

There has to be a better way - Collaborative Science

Recent Court Rulings

# Delta Science Plan – Second Draft

## Five Chapters:

1. Introduction
2. Organizing Science to Inform Policy and Management
3. Adaptive Management for a Complex System
4. Building the Infrastructure for Science
5. Resources for Delta Science

Summary of Actions

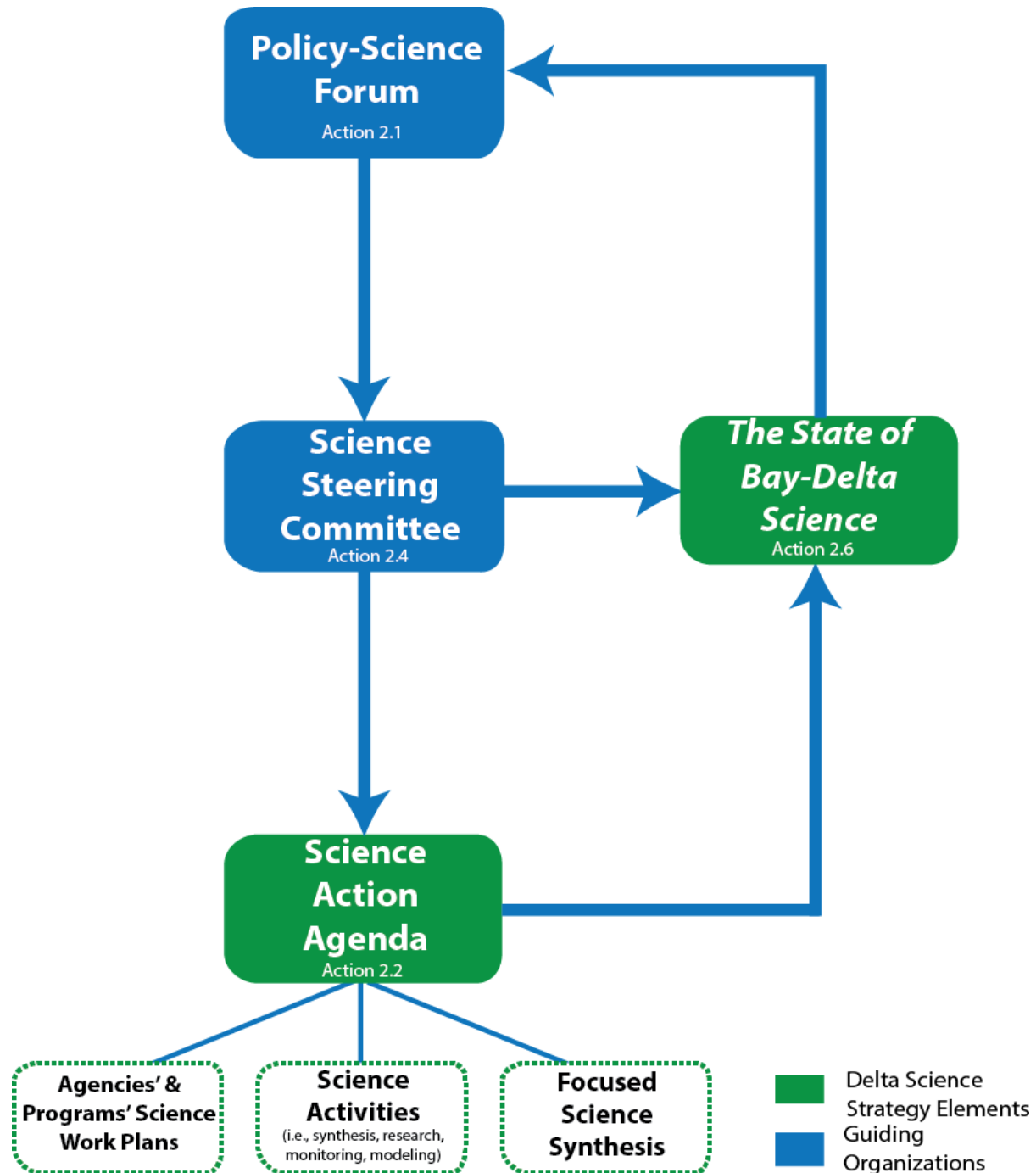
Twelve Appendices

# Delta Science Plan – Second Draft

## Objectives

- ❑ Manage Scientific Conflict
- ❑ Coordinate and Integrate Delta Science in a Transparent Manner
- ❑ Enable and Promote Science Synthesis
- ❑ Build Effective Policy-Science Interactions
- ❑ Provide Strategic and Topical Support for Effective Adaptive Management
- ❑ Identify, Maintain and Advance the “State of Delta Knowledge”

28 Actions to achieve these objectives



# **Delta Science Plan**

## **Example 1: Predation**

### **Delta Plan Ch. 4: Workshops to address stressor impacts**

- ☐ Delta Science Plan Action 4.5.1: Synthesis to support science-based decision making
- ☐ Identification of synthesis method by Science Steering Committee
- ☐ Expert Workshops Panel
  - (a) State of science – what is known, what are uncertainties
  - (b) Models – predictions, new hypotheses
  - (c) Evaluation of actions – adaptive management alternatives

# Delta Science Plan

## Example 2: Adaptive Management

### Delta Plan GP1

- Adaptive Management Liaisons [Action 3.3]  
*Early consultation on 9-step AM process*
- Restoration & Water Management Frameworks – Principles & Guidance [Action 3.2]  
*Historical ecology, landscape-scale conceptual models, quantitative models, integrated monitoring, assessment & reporting*
- Modeling Future Scenarios [Action 3.4]
- Annual Adaptive Management Forum [Action 3.1]  
*Integrate regionally and between restoration & water management*



# **Thank You for your attention**

**Full discussion and Council Direction on  
Second Draft - September 26**

**We welcome public input by September 16**

# Delta Science Plan

The Delta Science Plan supports implementation of the Delta Reform Act and the Delta Plan through:

1. Carrying out the Delta Science Program's responsibilities to, "develop, coordinate and provide the best possible and transparent scientific information to inform water and environmental decision making in the Delta." (Delta Reform Act 85280 (b)(4))
2. Promoting and providing best available science and adaptive management support for implementing the Delta Plan (Delta Reform Act 85308 (a) and (f); Delta Plan GP 1)
3. Monitoring and evaluating progress toward achieving the coequal goals (Delta Plan Ch. 2; Delta Reform Section 85308 (c))
4. Addressing science and information needs in the Delta Plan (Delta Plan Ch. 2, 3, 4, and 6; Delta Reform Act 85308 (e))
5. Supporting communication of science to inform Delta Plan implementation (Delta Plan Ch. 2)
6. Providing a strategy for leveraging reliable funding to sustain needed science advancements and infrastructure

## 28 Proposed Actions